

Project Design Phase-II

Data Flow Diagram & User Stories

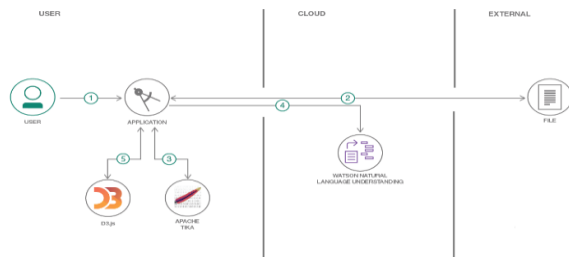
Date	31 January 2025
Team ID	LTVIP2025TMID49941
Project Name	Toycraft tales: tableau's vision into toy manufacturer data
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Example: [\(Simplified\)](#)

Flow



1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using the D3.js library.

Example: DFD Level 0 (Industry Standard)

Diagram Description:

plaintext

Customer -----> -----> Admin

|

|

v

v

[Toycraft Tales System] <-----> Toy Manufacturer

Diagram Description:

plaintext

[Customer] --> (1. User Management) --> D1

|

--> (2. Toy Catalog Management) <--> D2

|

--> (3. Story Interaction) <--> D3

|

--> (4. Order Processing) --> D4

[Admin] -----> (5. Admin Control Panel) --> D2, D3, D4

[Toy Manufacturer] --> (2. Toy Catalog Management)

Processes:

1. ***User Management***
2. ***Toy Catalog Management***
3. ***Story Interaction***
4. ***Order Processing***
5. ***Admin Control Panel***

*Data Stores:*

- * D1: User Data**
- * D2: Toy Catalog**
- * D3: Story Database**
- * D4: Orders & Payments**

User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration & login	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail	Can access with Gmail	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	Redirected to dashboard	High	Sprint-1
	Dashboard					
Customer (Web user)	Shopping & Purchase	USN-6	As a user, I can browse toys by category, age group, and popularity	Filtered toy list shown	High	Sprint-2
		USN-7	As a user, I can view detailed toy info.	Image, price, specs, and rating visible.	Medium	Sprint-2
		USN-8	As a user, I can add toys to cart and checkout.	Cart updates and order placed	High	Sprint-3
Administrator	Product & Order Management					